



SAKTHIVEL R

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Area of Interest

- Casting and Heat Treatment.
- Metallurgical testing and characterization
- Supplier Quality
- Quality Management System
- Failure Analysis
- Product Development.



Education

BE Metallurgical Engineering (86.6%)

Government College of Engineering, Salem -2018 passed out

HSC (95.5%)

SRV Matriculation Higher Secondary School, Trichy

SSLC (88.8%)

St.Mary's Matriculation School, Trichy.



Internship

Project internship at "Indian Institute of Science", Bangalore.

Title: Design and Analysis of Cast Metal Foam Aluminium Heat Exchanger



Languages Known

- Tamil
- English
- Hindi



Experience

GRADUATE ENGINEER TRAINEE at Brakes India Private limited, Foundry Division, Vellore from June – 2018 in Process Control and Metallurgical Laboratory.

Roles and Responsibilities:

- Responsible for Shift production and planning.
- Responsible for maintainance of Process parameters in melting, moulding and Core shop.
- Responsible for daily in house rejection analysis and corrective actions
- Responsible for preparing Auditing documents for Certification bodies like IMS, IATF, Customer Audit.
- Responsible for conducting Daily and monthly in house rejection meeting in both in house and machine shop.
- Responsible for analysis and report making for Customer complaints.
- Responsible for giving on the job training regarding process and product characteristics to operators.
- Weekly sub contractor visit for quality assurance.
- Responsible to maintain 5S in work place.
- Follow up of instructions given by managers and closing the loop.
- Conducting trials for new products under the guidance of Incharge.
- Maintainance of history of records regarding process change and deviation.

Learnings:

- Product knowledge on Turbo charger and Hydraulic braking system.
- Production and application of Grey, SG, and high temperature alloy cast iron.
- Learned about the requirements of IATF, QMS.
- Learned about Defect analysis and report making.

Industries Visited:

- Undergone In-plant training at " Aqua Sub Engineering"-Coimbatore.
- Undergone In-plant training at " Rashtriya Ispat Nigam Limited (RINL)- Vishakapatnam.
- Undergone Industrial Visit at "JSW – Steels Limited"- Salem.

Certification:

- .Certified with first class and Distinction in " Junior Grade Typewriting" in English.
- Certified with First class and Distinction in " Basic C & C++ language".

Project underwent:

- Analysis of **Metallurgical and Corrosion behaviour of Shielded Metal arc welded Modified P91- Steel** at Government College of Engineering – Salem
- .**Design an Analysis of Cast Metal Foam Heat Exchangers** at Indian Institute of Science, Bangalore.

Workshops attended:

- Attended workshop on “ **Automobiles**” at NIT – TRICHY.
- Attended workshop on “ Motivations for Research in Nanotechnology” at GCE – SALEM.
- Attended workshop on “ Additive Manufacturing” in WOOTZ-8 at PSG-TECH Coimbatore.

Special Attitude:

- Good presentation skills.
- Team Management.
- Determination and Adaptability.

Extra Curricular activities:

- Plantation of Trees.
- Occasional visit to orphanages.
- Watching Technology videos.

Declaration:

I hereby declare that the information furnished above is true, correct and complete to the best of my knowledge.

Thank You

Place: Trichy

Yours truly,
R. SAKTHIVEL